Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/11/2018 12:37 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126353	1	2.08	126428	2.12
Blue	F	SSC	125000	124602	-1	1.74	125248	1.77
Blue	E	FITC	15760	15667	-1	3.07	339	22.86
Blue	D	PE	25880	25432	-2	1.98	554	17.40
Blue	B	PerCP-Cy5-5	34075	34288	0	4.32	1043	23.71
Blue	A	PE-Cy7	22776	22922	0	7.63	546	46.48
Red	C	APC	42488	41965	-2	2.87	1574	13.82
Red	A	APC-Cy7	24478	23799	-3	3.02	814	13.68
Violet	B	V450	6304	6075	-4	4.16	337	18.23
Violet	A	V500	26005	24720	-5	3.64	578	13.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20927	9.97	614	17	N/A	N/A	Pass
Blue	F	SSC	56485	1.24	583	28	N/A	N/A	Pass
Blue	E	FITC	59	74.13	566	10	0.0148	163	Pass
Blue	D	PE	114	58.57	560	11	0.1098	246	Pass
Blue	B	PerCP-Cy5-5	196	57.60	663	16	0.0067	62	Pass
Blue	A	PE-Cy7	106	116.63	716	19	0.0088	29	Pass
Red	C	APC	368	29.75	608	8	0.0188	171	Pass
Red	A	APC-Cy7	199	30.18	578	7	0.0042	949	Pass
Violet	B	V450	52	88.44	502	13	0.0279	2720	Pass
Violet	A	V500	86	45.74	518	12	0.0121	915	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.17	-30.81	0.92
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	15.13	13.60 - 20.40	N/A	N/A	30.92	31.25	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10212

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments